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## TP-46N

Component Video or Computer Graphics  
Video with Audio over Twisted Pair Receiver

| VGA/UXGA - 15-pin HD



The TP-46N is a twisted pair receiver for component video (YUV) or computer graphics video and unbalanced stereo audio or S/PDIF audio signals. The TP-45 transmitter converts an audio and video signal to a twisted pair signal and the TP-46N converts the twisted pair signal back into audio and video signals

## FEATURES

HDTV Compatible

Max. Resolution - WUGXA (15-pin HD) & 1080p (component)

Level (Gain) & EQ (Peaking) Controls

Power Connect™ System - Only one unit in a system, the transmitter or the receiver needs to be connected to a power source when the devices are within 50m (150ft) of each other

Link LED - Indicates the receiver is receiving a signal

System Range - Up to 100m (330ft)

Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) such as CAT 5

Compact Kramer TOOLS™ - 3 units can be rack mounted side-by-side in a 1U rack space with the recommended rack adapter



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## TECHNICAL SPECIFICATIONS

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INPUT:	1 CAT 5 LINE IN on an RJ-45 connector (video/audio)
OUTPUTS:	1 CAT 5 line extension on an RJ-45 connector (video/audio); 1 VGA/UXGA 1Vpp/75Ω on a 15-pin HD connector; 1 stereo analog audio, 0dBu/1kΩ, 0.5V/75Ω, on a 3.5mm jack; 1 digital S/PDIF audio on an RCA connector; 1 component 1Vpp/75Ω (Y, Pb, Pr) on 3 RCA connectors
MAX. VIDEO INPUT LEVEL:	VGA: 1.2Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.05Vpp on 75Ω, AC coupling
MAX. VIDEO OUTPUT LEVEL:	VGA: 1.5Vpp on 75Ω, DC coupling; Y,Pb,Pr: 1.25Vpp on 75Ω, DC coupling
RETURN LOSS:	-18dB
MAX. RESOLUTION:	Up to UXGA; 1080p
VIDEO S/N RATIO:	61dB RMS unweighted
K-FACTOR:	0.2%
VIDEO ISOLATION (CROSSTALK):	-43dB @5MHz
MAX. INPUT LEVEL ANALOG AUDIO:	4dBu on 50kΩ, AC coupling
MAX. OUTPUT LEVEL ANALOG AUDIO:	4dBu on 1kΩ, DC coupling
AUDIO BANDWIDTH:	20Hz to 20kHz, @0dBu
THD+NOISE:	0.33% @0dBu @1kHz
MAX. INPUT LEVEL S/PDIF:	1Vpp on 75Ω, AC coupling
MAX. OUTPUT LEVEL S/PDIF:	0.7Vpp on 75Ω, AC coupling
SAMPLE RATE CONVERSION:	48kHz
RESOLUTION CONVERSION:	24 bits
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F)
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F)
HUMIDITY:	10% to 90%, RHL non-condensing
POWER CONSUMPTION:	12V DC, 830mA
INCLUDED ACCESSORIES:	Power supply
Product Dimensions	12.00cm x 7.15cm x 2.44cm (4.72" x 2.81" x 0.96" ) W, D, H
Product Weight	0.2kg (0.4lbs) approx
Shipping Dimensions	15.70cm x 12.00cm x 8.70cm (6.18" x 4.72" x 3.43" ) W, D, H
Shipping Weight	0.6kg (1.3lbs) approx

